Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in this application.

Listing of Claims:

Claim 1-4 (Cancelled)

Claim 5 (currently amended) A method comprising:

determining ~~groups of~~ chromaticity corrections, ~~each group~~ corresponding to red, green, blue, cyan, magenta and yellow ~~a different region~~ regions of color in a linear device-dependent coordinate space associated with an output device;

applying ~~each group of~~ the chromaticity corrections to device-independent coordinates throughout ~~the~~ said corresponding ~~region~~ regions of color to produce chromatically corrected device-independent coordinates; and

displaying colors on a display based on the chromatically corrected device-independent coordinates.

Claim 6 (currently amended) The method of claim 5 wherein determining ~~groups of~~ chromaticity corrections further comprises calculating correction factors corresponding to each region of color that are piecewise linear correction functions within the corresponding regions of color.

Claim 7 (Original): The method of claim 6 wherein each piecewise linear correction function operates on the linear device-dependent coordinates within the corresponding region of color.

Claim 8 (Original): The method of claim 7 wherein the linear device-dependent coordinates comprise linear RGB coordinates.

Claim 9 (currently amended) The method of claim 5 wherein determining ~~groups of~~ chromaticity corrections further comprises ~~includes~~ calculating a set of correction levels, wherein the correction levels correspond to adjustments to the

hue, saturation, and brightness for the corresponding regions of color for ~~each group of~~ <u>the</u> chromaticity corrections.

Claim 10 (Original): The method of claim 9 wherein the device-independent coordinates comprise coordinates in tristimulus space.

Claim 11 (Original): The method of claim 9 wherein the device-independent coordinates comprise coordinates in chromaticity space.

Cancel claim 12 -39